



KR.HSE.ENV.05. HSSE.HECCR/02/2023/EC No: 11-31/2015-1A.III

25.01.2024

To

The Additional Principal Chief conservator of Forests (C)
Ministry of Environment, Forest & Climate Change
4th Floor, E&F Wings, Kendriya sadan, Koramangala, Bangalore-560 003

Dear Sir,

Sub: Submission of Half yearly compliance report _ Environmental Clearance issued by the Ministry of Environment, Forests and Climate Change (MoEF & CC)

Ref: EC No: 11-31/2015-1A.III, dated:12.02.2016, granting environmental clearance for the Project laying of Heat Traced pipeline from the Ernakulum South Tanker Berth to Kochi Refinery.

Please find the enclosed compliance report on the various conditions laid down by MoEF &CC, pertaining to the half year period from 1st April 2023 to 30th September 2023 for the Project mentioned in above reference.

Thanking you

Very truly yours

For BPCL Kochi Refinery

Mathew P Thomas

Mathew P Thomas
General Manager (HSE) - in - Charge

Encl: 1. Six Monthly Compliance Report

CC:

1. The Member Secretary
Central Pollution Control Board
Parivesh Bhawan
East Arjun Nagar
Delhi - 110 032

2. The Member Secretary
Kerala State Pollution Control Board
Plamoodu Junction
Pattom Palace
Thiruvananthapuram - 695 004

Compliance report on Environmental Clearance issued for the project "Laying of Heat traced pipe line from South tanker berth to BPCL - Kochi Refinery"

1st April 2023 to 30th September 2023

Sl. No	Description	Status as on 30.09.2023
PART - A		
i	The provision of CRZ notification , 2011 shall be strictly be adhered to by the PROJECT PROPONENT(PP)	Complied
ii	All the recommendations and conditions specified by KCZMA (Kerala Coastal Zone Management Authority) shall be complied with.	<p>All recommendation of KCZMA clearance are being complied.</p> <ol style="list-style-type: none"> 1. Pipeline at river crossing is being constructed without obstructing the flow. – Complied Constructed through bridges. 2. ERDMP for the cross country pipeline is in place and will be updated along with completion of new pipeline: Complied. 3. Construction is being carried out in line with the CRZ notification of 1991/2011: Complied.
iii	There shall be no destruction of mangrove trees at 50m, south of the pipeline route along the west bank of Kaniyampuzha. Crossing of rivers shall be on trestles with adequate clearance there by having negligible impact on the flow.	<p>Complied</p> <p>The pipeline constructed in existing pipeline corridor of Refinery and hence No destruction of mangroves</p> <p>Additional Mangrove planting done at STF location as part of Pipeline extension work.</p>
iv	Labor camps, Storage of material and machinery shall be away from the CRZ.	Complied.

v	<p>The excavated soil shall be used for refilling to the extent possible. Any soil laced with oil and other hazardous chemicals shall be separated from such impurities, treated and disposed at nearest TSDF sites, The spent oils and other lubricants from equipment shall be collected by the contractor and disposed-off at CPCB/Local State PCB approved recyclers. There shall not be any disposal of waste in CRZ.</p>	<p>Complied.</p> <p>There was no contaminated soil generation.</p> <p>No spent oil generation from this project.</p>
vi	<p>Emergency shut system shall be incorporated in the design so as to mitigate the impact of leakage. The adjacent population is to be made aware of the risk associated with proposed project and mitigation measures to be taken in case of emergency.</p>	<p>Complied.</p> <p>Emergency shutdown system, OFC based leak detection system and tamper detection system provided.</p> <p>ERDMP for cross country pipeline is in place as the project is in existing pipeline corridor.</p>
vii	<p>The project proponent shall obtain all permissions from concerned authorities prior to commencement of the project</p>	<p>Complied.</p> <p>Following approvals before construction:</p> <ul style="list-style-type: none"> • Consent to establish was obtained from PCB. • Construction approval from PESO obtained. • Approval of KCZMA obtained. • NOC from PWD/Municipal Corporation / Panchayath / RBDC of Kerala etc. obtained. <p>After construction for commissioning</p> <ul style="list-style-type: none"> • Initial consent to operate from state pollution control board obtained • OISD clearance for commissioning obtained

		<ul style="list-style-type: none"> • PESO license for commissioning obtained.
viii	Internationally accepted codes and practices should be followed in designing the pipeline system and their compliance should be guaranteed through proper inspection, frequent evaluation and intensive testing of all critical components.	<p>Complied.</p> <p>Design of the pipeline is done as per relevant ANSI/ASME, OISD, ISI, API, BIS, IEEE, and PESO etc. Quality plans are available based on above standards.</p> <p>Third party inspection through M/s Engineers India Limited (EIL) during manufacturing and construction is done. 100% non-destructive test (NDT) of all weld joints using phased array ultrasonic testing and hydro test of the pipeline done and pipeline commissioned in line with statutory guidelines.</p>
ix	The smooth and safe operation of the system shall be ensured by incorporating a computerized SCADA system. Any leakage in the pipeline shall be immediately detected by the computer system and product pumping shall be immediately cut off.	<p>More advanced PLC based control and shut down system interlinked with Refinery DCS provided.</p> <p>Fiber optic based leak detection and intrusion detection system is also provided.</p>
x	Oil Spill Disaster Contingency Management Plan shall be put in place	ERDMP in place for the cross country pipeline. Oil Spill Disaster Contingency Management Plan in progress.
xi	Necessary signage's shall be installed in both English and local languages wherever the pipeline is passing.	Provided.
xii	All safety requirement shall be strictly followed. All recommendation of EIA, EMP, and DMP shall be strictly followed.	Complied.

xiii	All Kinds of safety precautions shall be taken to avoid any sort of accidents during handling of equipment and laying of pipeline. Emergency medical services shall be provided.	Complied. No accidents during construction.
xiv	There shall be no tapping of ground water with in CRZ area.	Complied
xv	There shall be no disposal of waste or sewage into Sea, Creek or in CRZ area	Complied
xvi	Construction activity shall be carried out strictly according to the provisions of CRZ notification, 2011. No construction work other than those permitted in coastal zone regulation notification shall be carried out in the CRZ area	Complied.
PART - B		
i	A copy of the clearance letter shall also be displayed on the website of the concerned state pollution control board. The EC letter shall be displayed at the regional office, district collector's office/ thahsildar's office for 30 days	Complied
ii	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to this ministry and its concerned regional office.	Complied.
5	The above stipulation would be enforced among others under the provisions of Water (Prevention and control of pollution) act 1974, the Air (Prevention and control of pollution) act 1981, The environmental (Protection) Act 1986, the public liability (insurance) act 1991, EIA notification 2006 and CRZ notification 2011.	complied

6	Officials from the regional office of MoEF&CC, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, regional office of MoEF&CC, Bangalore.	complied
7	In the case of any changes in the scope of the project, the project would require a fresh appraisal by this ministry	Complied
8	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the CRZ clearance under the provisions of the environmental (Protection) Act 1986, to ensure effective implementation of the safeguard measures in a time bound and satisfactory manner.	Noted Project being implemented in line with the provisions of Environmental (Protection) Act 1986 and as per the conditions of the CRZ / Environmental clearance issued by MoEF&CC
9	All other statutory clearance such as approval for storage of diesel from Chief controller of explosives, fire department, civil aviation department, Forest conservation act, 1980, Wildlife protection act 1972 etc. shall be obtained, as applicable by the project proponents from the respective competent authorities.	Complied. All statutory approvals obtained as given in clause VII. Diesel storage not envisaged.
10	The project proponent should advertise in at least two local newspaper widely circulated in the region, one of which shall be in vernacular language informing that the project has been accorded CRZ clearance and copies of the	Complied.

	<p>clearance letters are available with state pollution control board and may also be seen on the website of the MoEF&CC at http://envfor.nic.in.</p> <p>The advertisement should be made within seven days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the regional office of this ministry at Bangalore.</p>	
11	<p>This clearance is subject to final order of the Hon'ble Supreme court of India in the matter of Goa foundation Vs. Union of India in writ petition (civil) no 460 of 2004 as may be applicable to this project.</p>	Noted
12	<p>Any appeal against this clearance shall lie with the National Green Tribunal (NGT), if preferred, within a period of 30 days as prescribed under section 16 of the national green tribunal act-10.</p>	Noted
13	<p>A copy of the clearance letter shall be sent by the proponent to concerned Panchayath, Zillah parishad /Municipal Corporation, urban /local body and the local NGO, if any, from whom suggestions/representations if any were received while processing the proposal. The clearance letter shall also be put on the website of the company of the proponent.</p>	Complied
14	<p>The proponent shall upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of MoEF&CC, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters,</p>	<p>Complied.</p> <p>Since this project involves transfer of high pour point products through pipeline, there are no emissions associated with the project. BPCL-KR is having a display board in front of the main gate for display of ambient air quality.</p>

	indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in public domain.	
15	The environmental statement for each financial year ending on 31 st march in Form-V as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the Environment (Protection) Act 1986 as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall be sent to the respective regional offices of MoEF&CC by email.	Refinery is submitting Form - V every year and the detail pertaining to the project will be included.